## **AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions and listings of claims in the application:

## LISTING OF CLAIMS:

- 1. (currently amended): A magnetic <u>crystalline</u> alloy comprising Pt in an amount of 40 at% to 60 at%, and at least two 3d transition metal elements <u>selected from the group consisting of Cr, Mn, Fe, Co, Ni, and Cu,</u> wherein the total amount of the 3d transition metal elements is from 60 at% to 40 at%, and the average number of valence electrons in the respective 3d transition metal elements as calculated on the basis of the compositional proportions of the elements is from 7.5 to <u>8.559</u>.
- 2. (original): A magnetic alloy according to claim 1, which has an order parameter (S) of 0.5 to 1 as calculated from the following formula:

$$S = [\{F(002)^2/F(001)^2\} \times \{L(002)/L(001)\} \times \{A(002)/A(001)\} \times \{I(001)/I(002)\}]^{1/2}$$

wherein F(plane direction), L(plane direction), A(plane direction), and I(plane direction) represent the structure factor, Lorentz factor, absorption factor, and integration intensity as measured through X-ray diffractometry ( $\theta/2\theta$ ) of the magnetic alloy in the corresponding plane direction, respectively.

3. (original): A magnetic alloy according to claim 1 or 2, which has a magnetic anisotropy constant (Ku) of  $8 \times 10^5$  J/K to  $2 \times 10^7$  J/K.

- 4. (original): A magnetic recording medium comprising a substrate, a soft magnetic layer, a perpendicular magnetic layer, and a protective layer, the layers being provided atop the substrate, wherein the perpendicular magnetic layer contains a magnetic alloy as recited in claim 1 or 2.
- 5. (original): A magnetic recording and reproducing apparatus comprising a magnetic recording medium as recited in claim 4, and a magnetic head for recording of data onto the medium and for reproduction of the data therefrom.